

WHAT IS CLAIMED IS:

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Sub A17

1. An information storage device which stores information in recording areas generated by dividing a track, wherein track following information is configured such that a head follows the track according to the track following information, said information storage device comprising:

10 a recording area setting part which divides a storage medium into predetermined recording areas;

an error detecting part which detects an error in said track following information; and

15 a control part which controls said information storage device, wherein, when said error detecting part detects an error in said track following information while setting recording areas by said recording area setting part, recording areas spanning from a recording area including said track following information having said error to a
20 recording area including next track following information are replaced by other recording areas and recording area setting is restarted.

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2. The information storage device as claimed in claim 1, further comprising a defect information management part;

35 wherein, when said error detecting part detects an error in said track following information while setting recording areas by said recording area

setting part, said defect information management
part stores position information of recording areas
spanning from a recording area including said track
following information having said error to a
5 recording area including next track following
information as defect information.

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3. The information storage device as
claimed in claim 2, wherein said defect information
is detected before shipment and is stored as first
defect information management information.

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4. The information storage device as
20 claimed in claim 2, wherein said defect information
is detected after shipment and is stored as second
defect information management information.

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5. The information storage device as
claimed in claim 2, wherein, when said defect
information is detected before shipment, said defect
30 information is stored as first defect information
management information; and

when said defect information is detected
after shipment, said defect information is stored as
second defect information management information.

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Sub a²⁷

6. A defect information management method
in an information storage device which stores
information in recording areas generated by dividing
a track, wherein track following information is
5 configured such that a head follows the track
according to the track following information, said
defect information management method comprising:
a recording area setting step for dividing
a storage medium into predetermined recording areas;
10 an error detecting step for detecting an
error in said track following information; and
a control step for controlling said
information storage device, wherein, when an error
is detected in said track following information
15 while setting recording areas in said recording area
setting step, recording areas spanning from a
recording area including said track following
information having said error to a recording area
including next track following information are
20 replaced by other recording areas and recording area
~~setting is restarted.~~

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Sub a²⁸

7. The defect information management
method as claimed in claim 6, wherein, when an error
is detected in said track following information
while setting recording areas in said recording area
30 setting step, position information of recording
areas is stored as defect information, said
recording areas spanning from a recording area
including said track following information having
said error to a recording area including next track
35 following information.

8. The defect information management method as claimed in claim 7, wherein said defect information is detected before shipment and is stored as first defect information management information.

9. The defect information management method as claimed in claim 7, wherein said defect information is detected after shipment and is stored as second defect information management information.

10. The defect information management method as claimed in claim 7, wherein, when said defect information is detected before shipment, said defect information is stored as first defect information management information; and when said defect information is detected after shipment, said defect information is stored as second defect information management information.

add 17